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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Xiong Liu et al.

Title: METHOD TO ACHIEVE HIGHER TRACK DENSITY BY ALLOWING ONLY ONE-SIDED TRACK ENCROACHMENT

Attorney Docket No.: 1834.130US1

PATENT APPLICATION TRANSMITTAL

BOX PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

We are transmitting herewith the following attached items and information (as indicated with an "X"):

Return postcard.

Utility Patent Application under 37 CFR § 1.53(b) comprising:

Specification (29 pgs, including claims numbered 1 through 24, and a 1 page Abstract).

Formal Drawing(s) (8 sheets).

Unsigned Declaration (3 pgs).

Information Disclosure Statement (1 pgs), Form 1449 (1 pgs), and copies of cited references (14).

The filing fee (NOT ENCLOSED) will be calculated as follows:

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	24 - 20 =	4	x 18 =	\$72.00
INDEPENDENT CLAIMS	4 - 3 =	1	x 80 =	\$80.00
[] MULTIPLE DEPENDENT CLAIMS PRESENTED				\$0.00
BASIC FEE				\$710.00
				\$862.00

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